

Robertshaw®

Simply the Right Choice™

Thermostat Catalog

Innovative designs that set
the standard for simplicity
and performance



Robertshaw makes it easy.



Deluxe Series



Value Series



Robertshaw® thermostats are designed for both simplicity and performance. Now you can easily choose the perfect product for any heating and cooling application.

No matter what series you choose, Robertshaw products will make your customer's home or business more comfortable, more efficient, and more attractive.

Here's why Robertshaw thermostats are the right choice for both you and your customers:

- Thermostats with more features at more attractive prices
- Universal controls that work with multiple systems to reduce your inventory and make selection simple
- Programmable thermostats with humidity and fresh air controls
- Robertshaw products are Energy Star® compliant to reduce heating and cooling costs
- A full range of products to satisfy any application...easy to select, order, install, and program!

As you review these products, please contact us at 1-800-304-6563 with your ideas, suggestions, and questions. Our designs are a product of your feedback, and your input is valued as we continue to bring new innovations to the market.



i2 Series Deluxe Programmable Thermostats



Get the competitive edge with Robertshaw® thermostats. Our patent pending Set-up Wizard could reduce your installation time by up to 50% over competitive models. Program your contact information with a service schedule to remind your customers to call you. Of course, everything is easy to program with no complicated codes or button combinations to memorize. Robertshaw – Simply the Right Choice™.



All i2 Series Programmable Thermostats Feature:

- Set-Up Wizard
- 7-Day, 5-2, 5-1-1 or 24 Hour Programming
- 2, 4, 6 Events Per Day
- Programmable Service Reminders
- Trilingual Display Options (not on Fresh air models)
- Worry-free Memory Storage

- Indoor/Outdoor Remote Sensor Capability
- Adjustable Temperature Differential
- Adjustable Timed Upstaging
- Pre-programmed to Energy Star® settings
- California Title 24 Compliant

9800i2 Series with Humidity Control

Have These Additional Features:

- Adjustable Humidification and Dehumidification Set Points
- Automatic Humidification Control (When coupled with the remote outdoor sensor)
- Adjustable Overcooling Limits
- Customizable Dew Point Control

9900i Series with Fresh Air Control

Have These Additional Features:

- Bilingual Display Option
- Adjustable Damper Control for Occupied and Unoccupied Settings
- Customizable Purge Control

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
7-Day	1TKH7	9701i2	Heat/Cool/Heat Pump	1/1	Hardwired	C, G, Y1, B, W1, O, R, IS, OS
	1TKH8	9725i2	Heat/Cool/Heat Pump	3/2	Hardwired	C, G, Y1, B, E/W1, O, R, W2, Y2, L, IS, OS
Humidity Control	1TKH9	9801i2	Heat/Cool/Heat Pump	1/1	Hardwired	C, G, Y1, B, W1, O, R, H, D, IS, OS
	1TKJ1	9825i2	Heat/Cool/Heat Pump	3/2	Hardwired	C, G, Y1, B, E/W1, O, R, W2, Y2, L, H, D, IS, OS
Fresh Air Control	4XA69	9915i	Multi-Stage Excluding Heat Pump	2/2	Hardwired	C, G, Y1, B, E/W1, O, R, W2, Y2, IS, OS, Aux1, Aux2
	4XA70	9920i	Heat Pump	2/2	Hardwired	C, G, Y1, B, E/W1, O, R, W2, Y2, IS, OS, Aux1, Aux2

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn	Lux	Carrier
9701i2	1F90-51, 1F90-371, 1F95-1271, 1F97-51, 1F97-371	TH8110U1003	5000	PSPA711	P274-1100, TC-PAC
9725i2	1F92-71, 1F93-380, 1F94-71, 1F95-377	TH8320U1008	5200, 5300	PSPA722	P274-1200, P274-1300, P274-2100, P374-1100, TC-PHP
9801i2	1F97-391	NA	NA	TX1500E	P274-1100, P374-1100, P474-1100, TP-PRH, TP-PAC, TP-PHP
9825i2	1F95-391	TH8321U1006	5400	PSPHA732	TP-PRH
9915i	NA	T7300F	NA	NA	P374-2300, 33CS071-01
9920i	NA	T7300F	NA	NA	P374-2300, 33CS071-01

Value Series Programmable Thermostats



The Robertshaw® Value Series Programmable Thermostats offer 7 Day and 5-2 Day models. You'll be thankful for fewer SKUs, enhanced features and value pricing. When powered-up, the thermostat initiates the Pop-up Wizard to walk the installer through the set-up in simple language. Five models cover a wide range of applications that are fully compatible with gas and electric furnaces, and heat pumps. Each model can be powered with either two AA batteries or 24 V AC Common. Robertshaw – Simply the Right Choice™.



Features:

- Pop-up Wizard
- Auto Changeover
- Bigger, Brighter Backlight with Nightlight Option
- Easy Change Battery Access
- Circulating Fan
- Low Temperature Freeze Protection
- Adjustable Temperature Differential and Upstaging
- Pre-programmed to Energy Star® settings
- California Title 24 Compliant

RS6000 Series 7 Day

Have These Additional Features:

- Universal Control Available on RS6220 and RS6320
- Copy Command for Easy Programming

RS5000 Series 5-2 Day

Have These Additional Features:

- Universal Control Available on RS5220
- Vacation Setpoint

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
5-2 Day	6GVX3	RS5110	Heat/Cool/Heat Pump	1/1	Hardwired with battery back-up or battery operated	C, G, B, Y1, W1, O, RH/R, RC
	6GVX4	RS5220	Heat/Cool/Heat Pump	2/2		C, G, B, Y1, Y2, W1, W2, O, RH/R, RC, E, L1
7 Day	6GVX5	RS6110	Heat/Cool/Heat Pump	1/1		C, G, B, Y1, W1, O, RH/R, RC
	6GVX6	RS6220	Heat/Cool/Heat Pump	2/2		C, G, B, Y1, Y2, W1, W2, O, RH/R, RC, E, L
	6GVX7	RS6320	Heat/Cool/Heat Pump	3/2		C, G, B, Y1, Y2, W1, W2, O, RH/R, RC, E, L

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn	Lux	Robertshaw
RS5110	1F78-151, 1F78H-151, 1F80-0471	T8002, T8112, T8132, TH2110D, TH4110D	2000, 2000NC, 2010	TX500E	9600
RS5220	1F85-0471	TH2210D, T8001, T8024, TH4210D	NA	HP2110, PSPA722E	9615, 9620
RS6110	1F80-0471, 1F97-1271, 1F80-361, 1F80-241, 1F87-361, 1F78-167	TH6110D	5000, 5050	NA	9610
RS6220	1F85-0471, 1F85-277, 1F85-278	TH6220D	5200	PSPA722, TX9100E	9615, 9620
RS6320	1F85-0471, 1F95-1271	TH6320D	5400	NA	NA

Economy Series Programmable Thermostats



The Robertshaw® Economy Series provides affordable temperature control in a programmable thermostat. All models are fully compatible with all standard 24V AC heating and cooling systems. With the comfort, convenience and efficiency features that contractors and homeowners want, our Economy Series is a perfect cost effective solution. Robertshaw – Simply the Right Choice™.



Features:

- Bigger, Brighter Backlight
- Adjustable Temperature Differential
- Filter Monitor
- O and B Terminals
- Automatic Compressor Short Cycle Protection
- Zone System Compatible
- Quick Wire Terminal Block
- Multi-Stage 2 Heat/1 Cool on RS3210 only
- Worry-Free Memory Retention on RS3210 only
- Low Temperature Freeze Protection on RS3110 only
- Pre-programmed to Energy Star® settings
- California Title 24 Compliant

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
5-2 Day	1TKH3	RS3110	Heat/Cool	1/1	Battery operated	G, RC, RH, Y/O, W/B, Y1
	1TKH4	RS3210	Heat/Cool/Heat Pump	2/1	Hardwired with battery back-up	O, B, Y1, G, W2, W/W1, C, L, R

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn	Lux	Robertshaw
RS3110	1F78-151	TH2110D	2000, 2010, 2000NC	TX500, TX500E	8600, 8601
RS3210	1F72-151	TH2210D, TH4210D, T8001C, T8001F, T8011F	2100, 2200NC	HP2110	8625

300 Series Programmable Thermostats



The Robertshaw® 300 Series Programmable Thermostats offer a contemporary design with a large, easy to read LCD display. The 300 Series has features that users need like a lockable key pad and door that offer security against unwanted tampering. Select models have O and B terminals for use with heat pumps or controlling dampers and fresh air economizers. Also remote sensor capable allows for connecting to remote indoor and outdoor sensors for added indoor comfort. The compressor short cycle protection reduces wear and tear to HVAC equipment with this system safeguard. Robertshaw – Simply the Right Choice™.



Features:

- 3-hour Override Allows Temporary Adjustment of Temperature
- Automatic Compressor Short Cycle Protection
- O and B Terminals on Select Models
- Remote Sensor Capable

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
7 Day	1TKG9	300-229	Heat/Cool, Auto Changeover	2/2	Hardwired	W1, W2, Y1, Y2, G, R, 24V, 24V (c), O, B, LED1, LED2, COM, NO, NC, RS+V, RS1, RS2

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn
300-229	1F97	T7300D2007	5300

Value Series Non-Programmable Thermostats



The Robertshaw® Value Series Non-Programmable Thermostats are Simply the Right Choice™ when it comes to automatic temperature control. You'll be thankful for fewer SKUs, enhanced features and value pricing. When powered-up, the thermostat initiates the Pop-up Wizard to walk the installer through the set-up in simple language. Three models cover a wide range of applications that are fully compatible with gas and electric furnaces, and heat pumps. Each model can be powered with either two AA batteries or 24 V AC Common. Robertshaw – Simply the Right Choice.



Features:

- Pop-up Wizard
- Auto Changeover
- Bigger, Brighter Backlight with Nightlight Option
- Easy Change Battery Access
- Circulating Fan
- Low Temperature Freeze Protection
- Adjustable Temperature Differential and Upstaging

RS4220 and RS4320 Thermostats

Have This Additional Feature:

- Universal Control with Compatibility to Multi-stage Gas/Electric Furnaces and Heat Pumps

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
Non-Programmable	1TKH5	RS4110	Heat/Cool/Heat Pump	1/1	Hardwired with battery back-up or battery operated	C, G, B, Y1, W1, O, RH/R, RC
	1TKH6	RS4220	Heat/Cool/Heat Pump	2/2	Hardwired with battery back-up or battery operated	C, G, B, Y1, Y2, W1, W2, O, RH/R, RC, E, L
	6GVX2	RS4320	Heat/Cool/Heat Pump	3/2	Hardwired with battery back-up or battery operated	C, G, B, Y1, Y2, W1, W2, O, RH/R, RC, E, L

Cross Reference

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn	Lux	Robertshaw
RS4110	1F86-0471, 1F86-344, 1F86-241, 1F78-144, 1F78H-144	T8775C, T8401C, TH1110D, TH3110D, TH5110D	1000, 1000NC, 1000TL, 1100, 3000	DMH110, PDS111	9400, 9401
RS4220	1F73-174, 1F83-0471, 1F83-277	TH1210D, TH3210D, TH5220D, TH8411R	1200, 3100, 3200	DHP2120, PSDH121	9415, 9420
RS4320	1F83-0471	TH5320U	3300	NA	NA

Economy Series Non-Programmable Thermostats



The Robertshaw® Economy Series Non-Programmable Thermostat models are fully compatible with all standard 24V AC heating and cooling systems. With the comfort, convenience and efficiency features that contractors and homeowners want, our Economy Series is a perfect cost effective solution. Robertshaw – Simply the Right Choice™.



Features:

- Bigger, Brighter Backlight
- Adjustable Temperature Differential
- Filter Monitor
- Automatic Compressor Short Cycle Protection
- O and B Terminals
- Zone System Compatible
- Quick Wire Terminal Block
- Multi-Stage 2 Heat/1 Cool on RS2210 Only
- Worry-Free Memory Retention on RS2210 Only
- Low Temperature Freeze Protection on RS2110 Only

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
Non-Programmable	1TKH1	RS2110	Heat/Cool/Heat Pump	1/1	Battery operated	R, G, W, Y, RH/B, RC/O
	1TKH2	RS2210	Heat/Cool	2/1	Hardwired with battery back-up	O, B, Y1, G, W2, E/W1, C, L, R

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	White-Rodgers	Honeywell	Braeburn	Lux	Robertshaw
RS2110	1F78-144, 1F86-344	TH1110D, TH8775C	1000, 1000NC, 1000TL, 1010	DMH110	8400, 8401
RS2210	1F72-174	T8411R, TH1210D, TH3210D	1100, 1200, 1200NC	DMP2120	8425

300 Series Non-Programmable Thermostats



The Robertshaw® 300 Series Non-Programmable Thermostats offer a contemporary design with a large, easy to read LCD display. The 300 Series has features that users need like a lockable key pad and door that offer security against unwanted tampering. Select models have O and B terminals for use with heat pumps or controlling dampers and fresh air economizers. Also remote sensor capable allows for connecting to remote indoor and outdoor sensors for added indoor comfort. The compressor short cycle protection reduces wear and tear to HVAC equipment with this system safeguard. Robertshaw – Simply the Right Choice™.



Features:

- Automatic Compressor Short Cycle Protection
- O and B Terminals on Select Models
- Occupied and Unoccupied Mode Allows for Different Setting for Day and Night (not included on 300-204)
- Remote Sensor Capable (not included on 300-204)

300-201	G E
300-204	G
300-205	E
300-208	H

	Grainger Part Number	Robertshaw Part Number	System Application	Stages, Heat/Cool	Power Method	Terminal Designations
Non-Programmable	1TKG5	300-201	Heat/Cool, Auto Changeover	1/1	Hardwired	W1, Y1, G, R, 24V, 24V(C), CLK1, CLK2, RS2, RS1, RS+V
	1TKG6	300-204	Heat Only	1	Hardwired	RH, W
	1TKG7	300-205	Cool Only	1	Hardwired	RC, Y, G, CLK1, CLK2, RS2, RS1, RS+V
	1TKG8	300-208	Heat/Cool/Heat Pump, Auto Changeover	2/1	Hardwired	W1, Y1, G, R, 24V, 24V(C), O, B, LED1, LED2, CLK1, CLK2, RS2, RS1, RS+V

Cross Reference (Verify specific application requirements before substitution.)

Robertshaw Part Number	Honeywell
300-201	T7100D
300-204	NA
300-205	NA
300-208	T7100E, T7100F

Remote Indoor and Outdoor Sensors

9020i and 9025i Features:

- Designed to Sense Air Temperature at a Remote Location up to 300 Feet from Thermostat
- Automatic Configuration with i2 and i Series Thermostats
- Installs with a Simple Twisted Pair Wiring
- Temperature Range for Outdoor Sensor 9025i is -40°F to 158°F (-40° to 70°C)



10-528 and 10-529 Features:

- Designed to Sense Air Temperature at a Remote Location and Send this Information to the Thermostat
- Can be Interconnected with Up to Six Indoor Sensors for Temperature Averaging



Grainger Part Number	Robertshaw Part Number	Description	For Use With
1TKG3	9020i	Indoor Sensor	i Series and i2 Series Thermostats
1TKG4	9025i	Outdoor Sensor	i Series and i2 Series Thermostats

Grainger Part Number	Robertshaw Part Number	Description	For Use With
6FWJ3	10-528	Indoor Sensor	300 Series
6FWJ4	10-529	Outdoor Sensor	300 Series

Robertshaw®

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Thermostat Quick Reference Chart



Value Series



Economy Series



Deluxe Series

Part Number Cross Reference		Program	Application					Staging		Power					
Grainger®	Robertshaw®		Electric	Gas	Oil	Heat Pump	Millivolt	Heat	Cool		Auto Changeover	Memory Reserve	Adjustable Differential	Energy Efficient Recovery	Back Lighting
1TKH1	RS2110	Non-Programmable	✕	✕	✕	✕	✕	1	1	battery			✕		✕
1TKH2	RS2210	Non-Programmable	✕	✕	✕	✕		2	1	24V AC with battery back-up		EEPROM	✕		✕
1TKH3	RS3110	5-2 Day	✕	✕	✕	✕	✕	1	1	battery			✕		✕
1TKH4	RS3210	5-2 Day	✕	✕	✕	✕		2	1	24V AC with battery back-up	✕	EEPROM	✕		✕
1TKH5	RS4110	Non-Programmable	✕	✕	✕	✕	✕	1	1	24V AC or battery operated	✕	EEPROM	✕		✕
1TKH6	RS4220	Non-Programmable	✕	✕	✕	✕		2	2	24V AC or battery operated	✕	EEPROM	✕		✕
6GVX2	RS4320	Non-Programmable	✕	✕	✕	✕	✕	3	2	24V AC or battery operated	✕	EEPROM	✕		✕
6GVX3	RS5110	5-2 Day	✕	✕	✕	✕	✕	1	1	24V AC or battery operated	✕	EEPROM	✕		✕
6GVX4	RS5220	5-2 Day	✕	✕	✕	✕		2	2	24V AC or battery operated	✕	EEPROM	✕	✕	✕
6GVX5	RS6110	7 Day	✕	✕	✕	✕	✕	1	1	24V AC or battery operated	✕	EEPROM	✕		✕
6GVX6	RS6220	7 Day	✕	✕	✕	✕		2	2	24V AC or battery operated	✕	EEPROM	✕	✕	✕
6GVX7	RS6320	7 Day	✕	✕	✕	✕	✕	3	2	24V AC or battery operated	✕	EEPROM	✕	✕	✕
1TKH7	9701i2	7 Day ^{PLUS*}	✕	✕	✕	✕		1	1	24V AC	✕	EEPROM	✕	selectable	✕
1TKH8	9725i2	7 Day ^{PLUS*}	✕	✕	✕	✕		3	2	24V AC	✕	EEPROM	✕	selectable	✕
1TKH9	9801i2	7 Day ^{PLUS*}	✕	✕	✕	✕		1	1	24V AC	✕	EEPROM	✕	selectable	✕
1TKJ1	9825i2	7 Day ^{PLUS*}	✕	✕	✕	✕		3	2	24V AC	✕	EEPROM	✕	selectable	✕
4XA69	9915i	7 Day ^{PLUS*}	✕	✕	✕			2	2	24V AC	✕	EEPROM	✕	selectable	✕
4XA70	9920i	7 Day ^{PLUS*}				✕		2	2	24V AC	✕	EEPROM	✕	selectable	✕
1TKG9	300-229	7 Day	✕	✕				2	2	24V AC	✕	EEPROM	fixed	✕	
1TKG6	300-204	Non-Programmable		✕				1		power stealing		EEPROM	fixed		
1TKG7	300-205	Non-Programmable	✕						1	power stealing		EEPROM	fixed		
1TKG5	300-201	Non-Programmable	✕	✕				1	1	24V AC	✕	EEPROM	fixed		
1TKG8	300-208	Non-Programmable	✕	✕		✕		2	1	24V AC	✕	EEPROM	fixed		
Accessory Part Number Cross Reference															
Grainger	Robertshaw	Description	For Use With												
1TKG3	9020i	Indoor Sensor	i Series and i2 Series Thermostats												
1TKG4	9025i	Outdoor Sensor	i Series and i2 Series Thermostats												
6FWJ3	10-528	Indoor Sensor	300 Series												
6FWJ4	10-529	Outdoor Sensor	300 Series												

* Programming options of 5-1-1, 5-2, 7 Day, 24 Hours, Individual or Manual

Deluxe Series



Programmable Thermostats

1TKH7 – 1 Heat / 1 Cool – Fully Programmable

1TKH8 – 3 Heat / 2 Cool – Universal Staging

Programmable Thermostats With Humidity Control

1TKH9 – 1 Heat / 1 Cool – Fully Programmable

1TKJ1 – 3 Heat / 2 Cool – Universal Staging

Set-up Wizard

Menu Driven Display

Humidify / Dehumidify Control (1TKH9 and 1TKJ1 only)

Brighter Adjustable Backlight

Nightlight Option

Auto Changeover

Automatic Daylight Saving Time

24 VAC with Worry-Free Memory Storage

English, Spanish or French Display Option

Value Series



Non-Programmable Thermostats

1TKH5 – 1 Heat / 1 Cool

1TKH6 – Universal Control up to 2 Heat / 2 Cool

6GVX2 – Universal Control up to 3 Heat / 2 Cool

Auto Changeover

Pop-Up Wizard

Bigger Brighter Backlight with Nightlight Option

Worry-Free Memory Retention

Easy Battery Access

Programmable Thermostats

5-2 Day Programmable

6GVX3 – 1 Heat / 1 Cool

6GVX4 – Universal Control up to 2 Heat / 2 Cool

7 Day Programmable

6GVX5 – 1 Heat / 1 Cool

6GVX6 – Universal Control up to 2 Heat / 2 Cool

6GVX7 – Universal Control up to 3 Heat / 2 Cool

Auto Changeover

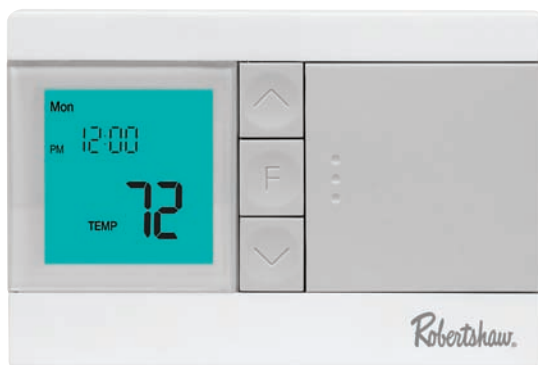
Pop-Up Wizard

Bigger Brighter Backlight with Nightlight Option

Worry-Free Memory Retention

Easy Battery Access

Economy Series



Non-Programmable Thermostats

1TKH1 – 1 Heat / 1 Cool

1TKH2 – Multi-Stage 2 Heat / 1 Cool

Bigger Brighter Backlight

Adjustable Temperature Differential

Worry-Free Memory Retention (1TKH2 only)

Filter Monitor

Low Temperature Freeze Protection (1TKH1 only)

Programmable Thermostats

5 – 2 Day Programmable

1TKH3 – 1 Heat / 1 Cool

1TKH4 – Multi-Stage 2 Heat / 1 Cool

Bigger Brighter Backlight

Adjustable Temperature Differential

Worry-Free Memory Retention (1TKH4 only)

Filter Monitor

Low Temperature Freeze Protection (1TKH3 only)



Simply the Right Choice™

Providing Value Beyond Thermostats

Dedicated Customer Service

Phone 1.800.304.6563

Facsimile 1.800.426.0804

Email HVACCustomerService@Invensys.com

Knowledgeable Technical Service

Phone 1.800.445.8299

Facsimile 1.630.260.7294

Email TechnicalService@Invensys.com

Customer Toolbox for 24/7 Real Time Information and Support

This user name and password protected site enables you access to track order status, accounts receivable, pricing, invoicing, sales tools, online literature orders, training resources and much more.

<http://toolbox.InvensysControls.com>

Enhanced Websites and Tools

Visit the sites below for complete Robertshaw® and Uni-Line® product information as well as a continuously updated cross reference tool.

www.RobertshawTstats.com

www.Uni-Line.com

www.InvensysControls.com

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AVAILABLE THROUGH

GRAINGER®

FOR THE ONES WHO GET IT DONE